Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/06/2022 10:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125003	0	4.45	124994	4.50
Blue	F	SSC	125000	124849	-1	4.97	125459	4.94
Blue	E	FITC	13602	13157	-4	4.86	368	15.00
Blue	D	PE	24891	24098	-4	4.65	572	12.23
Blue	B	PerCP-Cy5-5	33972	32832	-4	5.29	936	16.78
Blue	A	PE-Cy7	22865	22871	0	7.47	475	33.94
Red	C	APC	47198	46454	-2	4.37	1599	12.32
Red	A	APC-Cy7	26454	25378	-5	4.84	714	13.66
Violet	B	V450	6737	6476	-4	6.02 (1)	450	12.96
Violet	A	V500	29317	27843	-6	5.82	952	9.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23858	5.25	577	42	N/A	N/A	Pass
Blue	F	SSC	54958	4.79	530	9	N/A	N/A	Pass
Blue	E	FITC	55	57.02	497	13	0.0371	143	Pass
Blue	D	PE	110	42.36	500	14	0.3073	271	Pass
Blue	B	PerCP-Cy5-5	146	45.06	596	17	0.0164	60	Pass
Blue	A	PE-Cy7	77	90.60	645	24	0.0186	8	Pass
Red	C	APC	331	27.80	583	11	0.0267	245	Pass
Red	A	APC-Cy7	131	38.44	561	10	0.0056	1580	Pass
Violet	B	V450	76	51.67	449	-1	0.0543	2761	Pass
Violet	A	V500	111	37.06	468	-1	0.0255	1819	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.63	-31.51	1.16
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.20	13.90 - 20.86	N/A	N/A	29.89	30.13	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9899

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments